



- NOTES**
- ALL DIMENSION ARE IN MM EXCEPT THE PLANT COORDINATES ARE IN METERS.
  - FOR GENERAL NOTES, SEE DWG. NO.93104-1521-C006,C007.
  - FOR TYPICAL PILE CONNECTION DETAIL, SEE DWG. NO. 93104-1521-C010.
  - PILE TEST SHALL BE DONE IN ACCORANCE WITH THE SPECIFICATION : SPE-93104-C-003.
  - DRIVING OF TEST PILES SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATION : SPE-93104-C-002.
  - DRIVING OF TEST PILES SHALL PRECEDE ALL THE OTHER PILES.
  - TEST PILES CAN BE USED AS PRODUCTION PILES.
  - PILE CONNECTION DETAILS FOR GF-B23-01 SHALL REFER TO THE CONNECTION DETAILS FOR PIPE SUPPORT PILE.

**LEGEND**

- P : PILE I.D NO.  
○ : COMPRESSION PILE  
⊗ : TENSION PILE  
● : COMPRESSION PILE + DRIVING TEST ONLY  
● : DRIVING TEST + COMPRESSION TEST

**PILE SCHEDULE**

EQUIPMENT TAG NO.	PILE I.D NO.	DIA. (mm)	LG. (m)	QTY	CUT-OFF EL.(mm)	REMARK
TT-B23-04 A/B/C	P1,P2	ø400	28.0	2	-1600	
	P3,P4	ø400	29.0	2	-1600	
AS-B23-03	P1,P3	ø400	28.0	2	-1600	
	P2,P4~P6	ø400	29.0	4	-1600	
GF-B23-02	P1~P4	ø400	28.0	4	-1600	
AS-B23-01/02 MS-B23-04	P1~P10	ø400	29.0	10	-1600	
HL-B23-01	P1~P4	ø400	29.0	4	-1600	
MAIN PIPE RACK	P15,P16	ø400	29.0	19	-1600	
	P31~P34	ø400	28.0	30	-1600	
P14,P17~P30 P35~P49	P1~P3	ø350	30.0	12	-900	
	P6~P14	ø350	29.0	16	-1800	
SCOT REACTOR STR.	P1~P14	ø350	30.0	14	-900	
GO-B23-04 HN-B23-02	P1~P16	ø350	29.0	16	-1800	
	P17~P52	ø350	28.0	36	-2600	
GF-B23-01	P1	ø400	30.0	1	-100	SEE NOTE8

DIA. (mm)	LENGTH (m)						
	30	29	28				TOTAL
ø350	26	18	36				80
ø400	1	39	38				78

AS BUILT

OWNER HYUNDAI OIL RETINERY CO., LTD. CLIENT HYUNDAI HEAVY INDUSTRIES CO., LTD.

PROJECT NO. 93104 PROJECT HDO EXPANSION PROJECT

DRAWN U.S CHANG CHECKED S.N.YI TITLE AREA15;SRU2/TGU2/AGR2/SWS2 PILE LOCATION PLAN SHT. 1 OF 4

APPROVED H.R.LEE SCALE DATE DWN MAR.20.94 DATE DWN CHKD APPD CF410 DWG.NO. 93104-1521-C051-A1 REV. 1

**TEST PILE LOCATION TABLE**

DESCRIPTION OF TEST	EQUIPMENT TAG NO.	COORDINATES (m)		PILE LG. ( m )	REFERENCE BORE HOLE
		N	E		
COMPRESSION	GO-B23-04	P37	1,927.525 3,357.875	28.0	
DRIVING ONLY	MAIN PIPE RACK	P38	1,910.250 3,390.000	28.0	

**PILE LOCATION PLAN (1)**

